



**Washington State
Department of Transportation**
Douglas B. MacDonald
Secretary of Transportation

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December 1, 2005

To: Mr. Dan Mathis
Division Administrator
Federal Highway Administration
711 South Capitol Way, Suite 501
Olympia, WA 98504-1284

Approval FHWA

Steve Saxton

Date 01-09-06

Attention: Steve Saxton

Concurrence

James S. Eastman

Assistant State Design Engineer

Date 12-6-05

Subject: Blanket Approval for ITS Equipment

Dear Mr. Mathis,

The attached subject memorandum is to request approval to specify the proprietary ITS materials for the Southwest Region for the 2005-2007 Biennium. Some of these projects will be Interstate New/Reconstruction and therefore the request requires FHWA approval.

This equipment is in the public's best interest to minimize maintenance costs and to ensure system connectivity.

If you have any questions on this information please feel free to contact Lori Beebe at 360-705-7460.

cc: Proprietary File

Attachment: SW Region ITS Proprietary Request 2005-2007 Biennium



**Washington State
Department of Transportation**

Memorandum

DATE: November 17, 2005

TO: Jim Eastman
SWR Assistant State Design Engineer
MS-47330

Approval: FHWA

By: Steve Saxton

Date: 01/09/06

THRU: Rick Keniston/ Dave Bellinger DB

FROM: Chad Hancock/Tu Ho

CH for CH

Concurrence: Assistant
State Design Engineer

SUBJECT: Blanket Proprietary Intelligent Transportation System (ITS) Item Approval Request

By: _____

Date: _____

Description

The SW Region is requesting blanket proprietary approval for the following ITS materials for the 2005-2007 biennium. The materials submitted are essential for synchronization with existing highway facilities. At this time, the SW Region is deploying, in partnership with the Oregon Department of Transportation (ODOT) and other local transportation agencies a Advanced Traffic Management System (ATMS) software for a joint freeway management system in the Portland/Vancouver area. The central ATMS software requires specific brand and product to be implemented in the system to ensure system compatibility. Given the varied array of other ITS partners WSDOT has throughout the state, consistency hardware and software is not possible at this time. In the future, as technology develops perhaps interfaces that are more open will be developed which will eliminate the need for proprietary items.

Each material is identified below, along with justification for each item.

Optelecom Video and Data Transmitter/Receiver

This brand of equipment currently carries video and/or data between the SW Region Traffic Management Center (TMC) and existing ITS field devices. The continued use of Optelecom equipment will ensure the compatibility and synchronization between existing and future ITS devices. Other brands are not compatible with existing systems.

Cohu Camera System

The I-dome series (current model # 3920) consists of a camera, pan/tilt unit, and control receiver. The existing TMC software can control Cohu control receivers. This product is required for synchronization with our existing system.

Electronic Integrated System (EIS)

The SW Region had recently completed a software driver project to integrate the EIS' Remote Traffic Microwave Sensor (RTMS) to our ATMS software, due to the large number of RTMS already deployed in the area. Again, the continued use of RTMS will ensure system compatibility with our ATMS software.

These proprietary items are essential to the existing highway facility for synchronization with existing implementations. This will also allow a smaller inventory of spare parts and response time for repairs and replacements will be greatly enhanced. Which results in a cost and time savings which is in the best interest of the public.

The technologies used in the above items are constantly improving. As such, we are continually evaluating the needs of our system and the equipment that best serves those needs.

If you have any questions or need additional information, please contact Tu Ho at 360-905-2270.

CH/th

Cc: file